

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/980,845A
Source: IFWP
Date Processed by STIC: 1/18/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
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Revised 01/10/06



IFWP

RAW SEQUENCE LISTING

DATE: 01/18/2006

PATENT APPLICATION: US/09/980,845A

TIME: 15:36:00

Input Set : A:\seqlistcorrected.2002.06.21.txt

Output Set: N:\CRF4\01182006\I980845A.raw

3 <110> APPLICANT: Handfield, Martin
 4 Brady, Jeannine
 5 Progulske-Fox, Ann
 6 Hillman, Jeffrey D.
 8 <120> TITLE OF INVENTION: Microbial Polynucleotides Expressed During Infection of
 9 a Host
 11 <130> FILE REFERENCE: MBHB00-505B
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/980,845A
 C--> 14 <141> CURRENT FILING DATE: 2001-11-15
 16 <150> PRIOR APPLICATION NUMBER: 60/147,551
 17 <151> PRIOR FILING DATE: 1999-08-06
 19 <150> PRIOR APPLICATION NUMBER: PCT/US00/21340
 20 <151> PRIOR FILING DATE: 2000-08-04
 22 <160> NUMBER OF SEQ ID NOS: 20
 24 <170> SOFTWARE: PatentIn Ver. 2.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 849
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Actinobacillus actinomycetemcomitans
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 32 <221> NAME/KEY: misc_feature
 33 <222> LOCATION: (566)
 34 <223> OTHER INFORMATION: N stands for any nucleotide.
 36 <220> FEATURE:
 37 <221> NAME/KEY: misc_feature
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 41 <220> FEATURE:
 42 <221> NAME/KEY: misc_feature
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 46 <220> FEATURE:
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 56 <220> FEATURE:
 57 <221> NAME/KEY: misc_feature
 58 <222> LOCATION: (656)
 59 <223> OTHER INFORMATION: N stands for any nucleotide.

Does Not Comply
Corrected Diskette Needed

P.4

RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/980,845A

TIME: 15:36:00

Input Set : A:\seqlistcorrected.2002.06.21.txt

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67 <221> NAME/KEY: misc_feature
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69 <223> OTHER INFORMATION: N stands for any nucleotide.
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72 <221> NAME/KEY: misc_feature
73 <222> LOCATION: (681)
74 <223> OTHER INFORMATION: N stands for any nucleotide.
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78 <222> LOCATION: (720)
79 <223> OTHER INFORMATION: N stands for any nucleotide.
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82 <221> NAME/KEY: misc_feature
83 <222> LOCATION: (723)
84 <223> OTHER INFORMATION: N stands for any nucleotide.
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88 tggtcggttc gtccagaata tacagggttt tgcccgatc ccgtttggag agttccgctg 120
89 ccagtttcac cgttgcgct tccccgccgg acagggtggt agaggattgc cccaagcgaa 180
90 tataagacaa gcccacgtca atcagggttt gcaatttac cgcaatcatt ggaatggcat 240
91 cgaaaaactc gcgcgcacat tccaccgtca tgtccagcac ctgatgaatg gttttacctt 300
92 tgtagcggat ttccagggtt tcgcgattgt aacgcttgcc ttacattgg tcgcaaggca 360
93 cgtacacatc gggcaggaag tgcatttcca ctttgattac gccgtcgccc tggcaggctt 420
94 acagcgcccc cgcgcacgt taaaactgaa acgccccggg ttataaccgc gcgcacgggc 480
95 tttcggtagc cgggcaaaca attcgcgaaat cggcggtgaat acgcccgtgt aagttgcccc 540
W--> 96 gttggagcgt ggcgtgcgtc caatcnggct ttgggtaata tcaatacttt atcgaaaaat 600
97 tccaaacctt taatggactt gtacngngaa acctngcat tttctgcacn attaangcgt 660
98 nttgtgcaat anggaacaaa ntgtcggtta tcagtgtaga atttacctta accggacacn 720
99 ccngtgatgc aggtaaataa gcccacggga atgtctaaat tgacgttttt caggttggtt 780
100 ccggaagcgc cgaacaattt gagcattttt ttcttatcaa gtgcggtacg ttttttcggt 840
101 atttcgatc 849
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105 <211> LENGTH: 357
106 <212> TYPE: DNA
107 <213> ORGANISM: Actinobacillus actinomycetemcomitans
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110 gatcactaag ttgttcaatc ctttcgcttg ggaatctttg tctaaatacg gtttatgttg 60
111 cattgcgtta acgtctaaat cacctttaga cactgcagtg tttggcaagg cgtagtcatg 120
112 aataaaacgt attctacgtc taagttgtat ttttcttttg ccactttcgc tgcgatttca 180
113 gccacttggt gttccggtcc tgccatcacg ccactttga ttgttgccgg ggcttctgcc 240
114 gccggtttgt ctgccggtgc ggcttccggt tttttctctt cattacaagc ccgttaaggc 300
115 gaatacggag gctaattgtg cgacgcctaa taattttttt caagttcata aaagatc 357
118 <210> SEQ ID NO: 3
119 <211> LENGTH: 886

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RAW SEQUENCE LISTING

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Input Set : A:\seqlistcorrected.2002.06.21.txt

Output Set: N:\CRF4\01182006\I980845A.raw

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121 <213> ORGANISM: Actinobacillus actinomycetemcomitans
123 <220> FEATURE:
124 <221> NAME/KEY: misc_feature
125 <222> LOCATION: (554)
126 <223> OTHER INFORMATION: N stands for any nucleotide.
128 <220> FEATURE:
129 <221> NAME/KEY: misc_feature
130 <222> LOCATION: (596)
131 <223> OTHER INFORMATION: N stands for any nucleotide.
133 <400> SEQUENCE: 3
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135 gcgcgtcggc aacggcatgg tagggcgacg ccgtggttta aaccaagcca aagcgggaatg 120
136 gcgcttattt aagctaaaac accatcttgg cattcagggg tttttatccg ggctattcac 180
137 ttttgtcctg cgttccgggtg ccagattatt gccgacatca ttactgaaaa acatctatca 240
138 aaccttttta agaaaataac atgatgaaat taaactgtat tttaaaaata tccggaattt 300
139 ccaccgcact ttttctagcg ggttggtcct caaattcaag tgcgccgacg caatcctctg 360
140 agcaggcgaa ttctgttacg gctgtgaatc cactgcggt gtacagtaag ccccgcaactt 420
141 tggataactt caacgattat gtgaatttct taaaaggtaa agcagcggca gaaggcgttt 480
142 ttgccgacgt attgaatgca caaaataata ttaattatat tcaaaaatcc gtggatttgg 540
W--> 143 acgatcaaca agcnggcaga attcgcaagc gtgatccaaa tgccccgccg atcatnaatt 600
144 ccgaacggca cgaccaatta cttaaatcgt gtattaacca agaataaagt agacacggca 660
145 gaagcacgtt attggaaca attgccgcag cttgaaaatg cttcaaagaa attcagcgta 720
146 ccgaaaaatt atctgttagc cttgtggggc atggagagta gctttggcta ttatcagggc 780
147 aattacgatg tgttatccac cttagccact cttgcttttg acggacgccg tgaagcctta 840
148 ttcagcaaag aattcatcgc cgccatgaaa atgctacagc gcgatc 886
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153 <212> TYPE: DNA
154 <213> ORGANISM: Actinobacillus actinomycetemcomitans
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157 <221> NAME/KEY: misc_feature
158 <222> LOCATION: (4)
159 <223> OTHER INFORMATION: N stands for any nucleotide.
161 <220> FEATURE:
162 <221> NAME/KEY: misc_feature
163 <222> LOCATION: (9)
164 <223> OTHER INFORMATION: N stands for any nucleotide.
166 <220> FEATURE:
167 <221> NAME/KEY: misc_feature
168 <222> LOCATION: (21)
169 <223> OTHER INFORMATION: N stands for any nucleotide.
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172 <221> NAME/KEY: misc_feature
173 <222> LOCATION: (23)
174 <223> OTHER INFORMATION: N stands for any nucleotide.
176 <220> FEATURE:
177 <221> NAME/KEY: misc_feature
178 <222> LOCATION: (29)

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RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/980,845A

TIME: 15:36:00

Input Set : A:\seqlistcorrected.2002.06.21.txt

Output Set: N:\CRF4\01182006\I980845A.raw

179 <223> OTHER INFORMATION: N stands for any nucleotide.
181 <220> FEATURE:
182 <221> NAME/KEY: misc_feature
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187 <221> NAME/KEY: misc_feature
188 <222> LOCATION: (35)..(36)
189 <223> OTHER INFORMATION: N stands for any nucleotide.
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192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: (39)
194 <223> OTHER INFORMATION: N stands for any nucleotide.
196 <220> FEATURE:
197 <221> NAME/KEY: misc_feature
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199 <223> OTHER INFORMATION: N stands for any nucleotide.
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202 <221> NAME/KEY: misc_feature
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204 <223> OTHER INFORMATION: N stands for any nucleotide.
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208 <222> LOCATION: (49)
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217 <221> NAME/KEY: misc_feature
218 <222> LOCATION: (58)
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221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (61)..(62)
224 <223> OTHER INFORMATION: N stands for any nucleotide.
226 <220> FEATURE:
227 <221> NAME/KEY: misc_feature
228 <222> LOCATION: (65)
229 <223> OTHER INFORMATION: N stands for any nucleotide.
231 <220> FEATURE:
232 <221> NAME/KEY: misc_feature
233 <222> LOCATION: (69)
234 <223> OTHER INFORMATION: N stands for any nucleotide.
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: (73)
239 <223> OTHER INFORMATION: N stands for any polynucleotide.

"N" can only
represent a
single
nucleotide

RAW SEQUENCE LISTING

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Output Set: N:\CRF4\01182006\I980845A.raw

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243 <222> LOCATION: (97)
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247 <221> NAME/KEY: misc_feature
248 <222> LOCATION: (102)
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252 <221> NAME/KEY: misc_feature
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257 <221> NAME/KEY: misc_feature
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259 <223> OTHER INFORMATION: N stands for any nucleotide.
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262 <221> NAME/KEY: misc_feature
263 <222> LOCATION: (459)
264 <223> OTHER INFORMATION: N stands for any nucleotide.
266 <220> FEATURE:
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (467)
269 <223> OTHER INFORMATION: N stands for any nucleotide.
271 <400> SEQUENCE: 4
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273 nngcnaggng cancagctta cctttgccga cggttcnctg tntgaaagcg ccattcgcaa 120
274 agtgccggtg gaggcggnga aaattcactc acttggtgcg gaaggcaatg atgtgggatt 180
275 gaaagcccat catggcgggt ggataaagcg ttatttttta tgcgggcaga tgcctttcct 240
276 gcgttaaatg cgttattaga cgaaaatttt tcgtatcagg acacagcagt ttacggcgag 300
277 aattttgtgg tttccgcgct gaatgaagat tccgtgtgtg tgggcgatat ttatcaaata 360
278 ggctcctgcg tgggtggagg gtcgcagccg cgtaaaccct gtgagcgctt atcgaaaaat 420
279 accaataatc cgaacacgca acaaaccgtg tacgctncng ctggtcnggc tggatatgtg 480
280 cggtggtacc ccaaggggga aattcaa 507
283 <210> SEQ ID NO: 5
284 <211> LENGTH: 1087
285 <212> TYPE: DNA
286 <213> ORGANISM: Actinobacillus actinomycetemcomitans
288 <220> FEATURE:
289 <221> NAME/KEY: misc_feature
290 <222> LOCATION: (622)
291 <223> OTHER INFORMATION: N stands for any nucleotide.
293 <220> FEATURE:
294 <221> NAME/KEY: misc_feature
295 <222> LOCATION: (642)
296 <223> OTHER INFORMATION: N stands for any nucleotide.
298 <220> FEATURE:
299 <221> NAME/KEY: misc_feature
300 <222> LOCATION: (661)

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/980,845A

DATE: 01/18/2006
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Input Set : A:\seqlistcorrected.2002.06.21.txt
Output Set: N:\CRF4\01182006\I980845A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 566,625,627,636,650,656,661,672,681,720,723

Seq#:3; N Pos. 554,596

Seq#:4; N Pos. 4,9,21,23,29,32,35,36,39,42,45,49,52,58,61,62,65,69,73,97

Seq#:4; N Pos. 102,138,457,459,467

Seq#:5; N Pos. 622,642,661,669,685,690,700

Seq#:6; N Pos. 609,614,651,665

Seq#:7; N Pos. 532,630,696,710,722,725

Seq#:8; N Pos. 538

Seq#:12; N Pos. 131,151,170,178,194,199,209

Seq#:18; Xaa Pos. 43,50,59,66,69

VERIFICATION SUMMARY

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Input Set : A:\seqlistcorrected.2002.06.21.txt

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L:13 M:270 C: Current Application Number differs, Replaced Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:540
M:341 Repeated in SeqNo=1
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:540
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:600
M:341 Repeated in SeqNo=5
L:381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:600
M:341 Repeated in SeqNo=6
L:429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:480
M:341 Repeated in SeqNo=7
L:456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:480
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:120
M:341 Repeated in SeqNo=12
L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:32
M:341 Repeated in SeqNo=18